ABSTRACT OF THE DISCLOSURE

A method and system to utilize platform-based optimization routines by a computer system. An application executing on the computer system initializes a user library bound to the application. The user library requests that an optimized

5   library be copied into the user space of the computer system. The optimized library includes functions optimized for the hardware configuration of the computer system and is advertised by the firmware of the computer system. The entry points of the optimized functions are exported to the application, the optimized functions corresponding to non-optimized functions of the application.

10   In one embodiment, the optimized library is validated before being copied into user space.